

IN THE CLAIMS

Please amend the claims as follows:

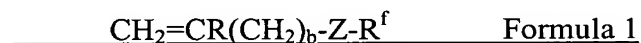
Claim 1 (Currently Amended): A curable composition, comprising:

a compound (A) having at least one active energy ray curable polymerizable functional group,

a fluorine-containing copolymer (B) obtained by

(1) copolymerizing a polymerizable monomer (a) having a polyfluoroalkyl group and a polymerizable monomer (b) having a photo-curable functional group, or

(2) introducing a photo-curable functional group into a fluorine-containing copolymer (D) obtained by copolymerizing a polymerizable monomer (a) having a polyfluoroalkyl group and a polymerizable monomer (d) having a group capable of introducing a photo-curable functional group, and a photopolymerization initiator (C); wherein the polymerizable monomer (a) is a compound of the formula 1:



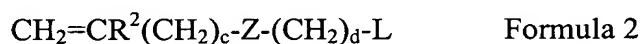
wherein R is a hydrogen atom or a C₁₋₄ alkyl group, b is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of -CH₂-, -O-, -COO-, -CONH-, -NHCO- and -OCO-, and R^f is a C₂₋₄₀ polyfluoroalkyl group or a C₂₋₄₀ polyfluoroalkenyl group, provided that at least one hydrogen atom in such a group may be substituted by a hydroxyl group or a halogen atom, and an etheric oxygen atom or a thioetheric sulfur atom may be inserted between a carbon-carbon bond.

Claim 2 (Currently Amended): The curable composition according to Claim 1, which ~~contains~~ comprises: from 0.01 to 20 parts by mass of the fluorine-containing copolymer (B) and from 0.01 to 20 parts by mass of the photopolymerization initiator (C), per 100 parts by mass of the compound (A).

Claim 3 (Original): The curable composition according to Claim 1, wherein the compound (A) is a compound having at least one (meth)acryloyl group as the active energy ray curable polymerizable functional group.

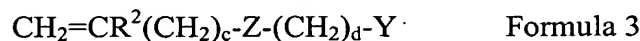
Claim 4 (Cancelled).

Claim 5 (Original): The curable composition according to Claim 1, wherein the polymerizable monomer (b) is a compound of the formula 2:



wherein R^2 is a hydrogen atom or a C_{1-4} alkyl group, each of c and d which are independent of each other, is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of $-\text{CH}_2-$, $-\text{O}-$, $-\text{COO}-$, $-\text{CONH}-$, $-\text{NHCO}-$ and $-\text{OCO}-$, and L is a photo-curable functional group having no thermal polymerizability.

Claim 6 (Original): The curable composition according to Claim 1, wherein the polymerizable monomer (d) is a compound of the formula 3:



wherein R^2 is a hydrogen atom or a C_{1-4} alkyl group, each of c and d which are independent of each other, is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of $-\text{CH}_2-$, $-\text{O}-$, $-\text{COO}-$, $-\text{CONH}-$, $-\text{NHCO}-$ and $-\text{OCO}-$, and Y is a group having a group capable of introducing a photo-curable functional group.

Claim 7 (Currently Amended): A cured coating film formed by curing the curable composition as defined in Claim 1 by an active energy ray.

Claim 8 (Original): A coated substrate comprising a substrate and the cured coating film as defined in Claim 7 formed on at least one side of the substrate.

Claim 9 (Original): The coated substrate according to Claim 8, wherein the substrate is a photomask.

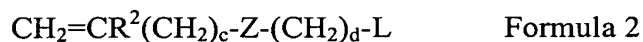
Claim 10 (New): A curable composition, comprising:

a compound (A) having at least one active energy ray curable polymerizable functional group,

a fluorine-containing copolymer (B) obtained by

(1) copolymerizing a polymerizable monomer (a) having a polyfluoroalkyl group and a polymerizable monomer (b) having a photo-curable functional group, or

(2) introducing a photo-curable functional group into a fluorine-containing copolymer (D) obtained by copolymerizing a polymerizable monomer (a) having a polyfluoroalkyl group and a polymerizable monomer (d) having a group capable of introducing a photo-curable functional group, and a photopolymerization initiator (C); wherein the polymerizable monomer (b) is a compound of the formula 2:



wherein R^2 is a hydrogen atom or a C_{1-4} alkyl group, each of c and d which are independent of each other, is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of $-\text{CH}_2-$, $-\text{O}-$, $-\text{COO}-$, $-\text{CONH}-$, $-\text{NHCO}-$ and $-\text{OCO}-$, and L is a photo-curable functional group having no thermal polymerizability.

Claim 11 (New): The curable composition according to Claim 10, which comprises: from 0.01 to 20 parts by mass of the fluorine-containing copolymer (B) and from 0.01 to 20 parts by mass of the photopolymerization initiator (C), per 100 parts by mass of the compound (A).

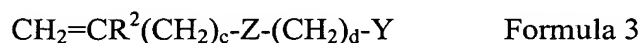
Claim 12 (New): The curable composition according to Claim 10, wherein the compound (A) is a compound having at least one (meth)acryloyl group as the active energy ray curable polymerizable functional group.

Claim 13 (New): The curable composition according to Claim 10, wherein the polymerizable monomer (a) is a compound of the formula 1:



wherein R is a hydrogen atom or a C₁₋₄ alkyl group, b is an integer of from 0 to 6, Z is a single bond or a group selected from the group consisting of -CH₂-, -O-, -COO-, -CONH-, -NHCO- and -OCO-, and R^f is a C₂₋₄₀ polyfluoroalkyl group or a C₂₋₄₀ polyfluoroalkenyl group, provided that at least one hydrogen atom in such a group may be substituted by a hydroxyl group or a halogen atom, and an etheric oxygen atom or a thioetheric sulfur atom may be inserted between a carbon-carbon bond.

Claim 14 (New): The curable composition according to Claim 10, wherein the polymerizable monomer (d) is a compound of the formula 3:



wherein R² is a hydrogen atom or a C₁₋₄ alkyl group, each of c and d which are independent of each other, is an integer of from 0 to 6, Z is a single bond or a group selected from the

Application No. 10/000,019
Reply to Office Action of March 4, 2004

group consisting of $-\text{CH}_2-$, $-\text{O}-$, $-\text{COO}-$, $-\text{CONH}-$, $-\text{NHCO}-$ and $-\text{OCO}-$, and Y is a group having a group capable of introducing a photo-curable functional group.

Claim 15 (New): A cured coating film formed by curing the curable composition as defined in Claim 10 by an active energy ray.

Claim 16 (New): A coated substrate comprising a substrate and the cured coating film as defined in Claim 15 formed on at least one side of the substrate.

Claim 17 (New): The coated substrate according to Claim 16, wherein the substrate is a photomask.